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Datasheet for ABIN782376  
**anti-FADS1 antibody (AA 1-100)**

3 Images

### Overview

|                      |  |
|----------------------|--|
| Quantity:            | 50 µg  |
| Target:              | FADS1  |
| Binding Specificity: | AA 1-100   |
| Reactivity:          | Human  |
| Host:                | Mouse  |
| Clonality:           | Monoclonal   |
| Conjugate:           | This FADS1 antibody is un-conjugated   |
| Application:         | Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA) |

### Product Details

|               |  |
|---------------|--|
| Immunogen:    | FADS1 antibody was raised against (NP_037534, 1 a.a. ~ 100 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. |
| Clone:        | 2D9  |
| Isotype:      | IgG2a  |
| Specificity:  | This antibody reacts to FADS1.   |
| Purification: | Affinity chromatography on Protein A   |

### Target Details

|         |       |
|---------|-------|
| Target: | FADS1 |
|---------|-------|

## Target Details

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|                 |  |
|-----------------|--|
| Abstract:       | <a href="#">FADS1 Products</a>   |
| Background:     | FADS1 is a component of a lipid metabolic pathway that catalyzes biosynthesis of highly unsaturated fatty acids (HUFA) from precursor essential polyunsaturated fatty acids (PUFA) linoleic acid (LA) (18:2n-6) and alpha-linolenic acid (ALA) (18:3n-3). Catalyzes the desaturation of dihomo-gamma-linoleic acid (DHGLA) (20:3n-6) and eicosatetraenoic acid (20:4n-3) to generate arachidonic acid (AA) (20:4n-6) and eicosapentaenoic acid (EPA)(20:5n-3) respectively.Synonyms: D5D, Delta(5) desaturase, Delta(5) fatty acid desaturase, FADS-1, FADSD5, Fatty acid desaturase 1 |
| Gene ID:        | 3992   |
| NCBI Accession: | <a href="#">NP_037534</a>  |
| UniProt:        | <a href="#">O60427</a>   |
| Pathways:       | <a href="#">Regulation of Lipid Metabolism by PPARalpha</a>  |

## Application Details

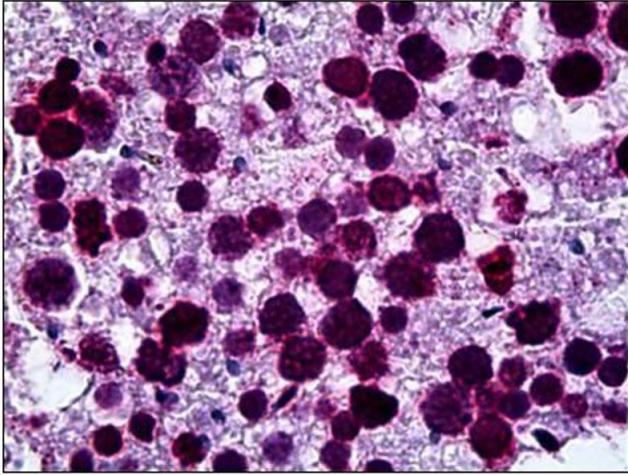
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|                    |  |
|--------------------|--|
| Application Notes: | Optimal working dilution should be determined by the investigator. |
| Restrictions:      | For Research Use only  |

## Handling

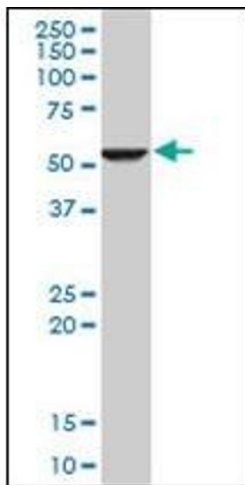
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|                  |   |
|------------------|---|
| Concentration:   | 0,39 mg/mL  |
| Buffer:          | PBS, pH 7.2   |
| Handling Advice: | Avoid repeated freezing and thawing.  |
| Storage:         | 4 °C/-20 °C   |
| Storage Comment: | Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer. |



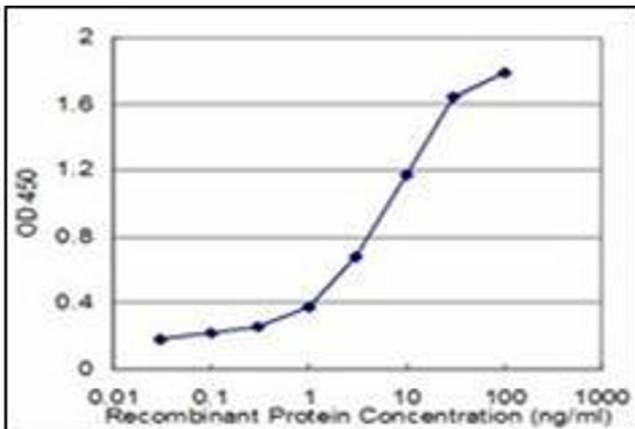
### Immunohistochemistry

Image 1.



### Western Blotting

Image 2.



### ELISA

Image 3.